

RIGeL Newsletter April 2018

RIGeL News

Application & Registration Deadlines

05.-11.04.2018 | Workshop: Advanced Image Analysis and Macro Scripting (BioVoxel) (registration period for PhD students already attended the basic course, PhD students of the Graduate Research Academy RNA Biology and the RIGeL Section CBB)

09.-11.04.2018 | Workshop: Advanced Image Analysis and Macro Scripting (BioVoxel) (registration period for all RIGeL PhD students)

15.04.2018 | Application Deadline - Funding of a personal student helper (Graduate Research Academy RNA Biology)

15.04.2018 | Application Deadline - RIGeL Summer Schools 2018

09.05.2018 | RIGeL Application Deadline

RNA Lecture Series Part I goes into its fourth round

The RNA Lecture Series Part I starts again on April 11, 2018. Dr. Michael Mahler (Bitplane AG, Zurich) will give the first lecture on 3D Visualisation and Image Analysis with Imaris. The participation in all lectures of part I can be counted as Method Course with 0.5 CP.

IMARIS 9 introduction lecture and workshop sessions

The *Graduate Research Academy* RNA Biology invites interested faculty members, PhD students, students, postdocs and other staff to the IMARIS introduction lecture and workshop sessions of the company „Bitplane“. IMARIS 9 is a software for visualization and quantitative analysis of 3D microscopical datasets and time series of any size. With IMARIS you can render very large datasets 3D and interact with the visualized dataset in real time. On top of the visualization, IMARIS offers a complete toolbox for quantitative analysis of your data. It provides very flexible tools for segmentation of objects and for measuring their number, shape, volume, intensity etc. The introduction lecture will take place in the framework of the RNA Lecture Series on April 11, 2018 at 17:00 in H 53. Bitplane will also offer workshop sessions on April 13, 2018 between 9:00 and 17:00 in the seminar room DE.0.133. You can register for one of these sessions under following link: <https://andortech-nology.doodle.com/poll/6bgk7n37vzgkis3y>

Excursion to analytica in Munich

The RIGeL Excursions & Trips team organizes a trip to the analytica - 26th International Trade Fair for Laboratory Technology, Analysis and Biotechnology in Munich. The excursion is scheduled for the 12th of April. Up to 40 RIGeL PhD students can participate in the excursion. For registration please see the RIGeL Event Calendar.

One-week method course on RNP Analysis in October 2018

From October 8 to 12, 2018 the *Graduate Research Academy* RNA Biology organizes a hands-on practical course on RNP analysis. The course „From Ensembles to Single-Molecule Analysis - Modern Methods of RNP Analysis“ aims to provide the participants with a solid knowledge and overview about state-of-the-art methods and innovative new approaches in RNP biology research. Methods and applications will be presented by internationally renowned guest speakers in the mornings and hands-on trainings will follow in the afternoons.

Topics | Structure Probing of RNPs Using Tethered Enzymes

RNA-Protein Interaction Studies - RNA Interactomes

MicroScale Thermophoresis (MST)

Isothermal Titration Calometry (ITC)

Single-Molecule RNA FISH

Single-Molecule FRET

More information on the course can be found on the website of the Graduate Research Academy RNA Biology: rnabiology-regensburg.de

People

Alumni

[Catarina Quintanova, Section Biomed](#) | PhD topic: „The role of the inwardly rectifying potassium channel Kir5.1 in the distal convoluted tubule“, supervisor: Prof. Dr. Richard Warth

[Harald Donaubaue](#)r | PhD topic: „Optimierung der Signalverarbeitung und Signalerkennung zur automatisierten NMR-Strukturbestimmung von Proteinen“, supervisor: Prof. Dr. Hans Robert Kalbitzer

[Rui Pedro Ferreira Lopes, Section CBB](#) | PhD topic: „Conformational Transitions of the Ras Protein Involved in Macromolecular Interactions and Modulated by Small Compounds. A Biophysical Approach Using NMR and X-Ray Crystallography at Ambient and High Pressures“, supervisor: Prof. Dr. Hans Robert Kalbitzer

RIGeL Events

Career Supporting Events

- 11.04.2018 | Method Course, **RNA Lecture Series I: 3D Visualisation and Image Analysis with Imaris**, Dr. Michael Mahler (Bitplane AG, Zurich), 17.00 h, H 53
- 12.04.2018 | Workshop, **3D Visualisation and Image Analysis with Imaris**, Dr. Michael Mahler (Bitplane AG, Zurich), 09:00-17:00 h, DE.0.133, Method Course, 0.3 CP
- 12.04.2018 | Excursion, **analytica Munich**, 08:00-17:30 h, Other Career Supporting Event, 0.3 CP
- 25.04.2018 | Method Course, **RNA Lecture Series I: Single-molecule techniques and applications to the studies of RNA and ribonucleo complexes**, Prof. Dr. Dina Grohmann, 17.00 h, H 53

Lectures & Talks

- 12.04.2018 | **Prof. Dr. Silke Robatzek** (The Sainsbury Lab, Norwich/UK)
Title: „How membrane trafficking works plant immunity“
14.00 h, H 53
Host: Prof. Dr. Thomas Dresselhaus, SFB924-/ BZR-Colloquium
- 17.04.2018 | **Dr. Stephan Hammer** (Universität Stuttgart)
Title: „Design and evolution of new enzymes: Can we control high-energy reactive intermediates in protein catalysts to access new chemistry?“
17.00 h, H 53
Host: Prof. Dr. Reinhard Sterner, SFB960-/ BZR-Colloquium
- 24.04.2018 | **Dr. Petr Svoboda** (Institute of Molecular Genetics ASCR, Prague)
Title: „Endogenous RNAi pathway in mammals“
17:00 h, H 53
Host: Prof. Dr. Gunter Meister, SFB960-/ BZR-Colloquium